

DSMC Transition/Vector Management

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- **NCCDS Overview and Training Sessions for WSC Site Specialists (SSs) and TDRS Analyst (TA) Held at GSFC From April 12 Through April 20**
 - **FDF Presented Overview of Special Features of Shuttle and ELV Support Using NCCDS System**
 - **SSs Observed the STS-100 Vector Verification Test**
 - **SSs Observed Shuttle Launch Support Vector Transmission (from FDF) and Receipt (in NCC)**
 - **SSs and TA Participated in FDF/NCC/WSC Training Simulation, Which Included Setting Up for Autothroughput, Performing Vector Epoch Shifts, Transmitting Nominal, TAL, and ECAL Maneuver Sequences and Vectors, and Responding to Simulated Data and Voice Line Outages**

- **During the Simulation, the SSs Performed the NCC TM Functions, and the TA Performed the Functions of the FDF Analyst Under the Direction of the FDF Analyst and the NCC Technical Manager (TM)**
- **SSs and TA Attended the FDF STS-100 Final Team Meeting and Met With FDF Operations Personnel for Demonstrations and Discussions of the FDF Software, Hardware, and Support Procedures**
- **SS and TA Observed the STS-100 Launch in the NCC**
- **TA Met With FDF Shuttle Support Personnel for Detailed Discussions of the DSMC Transition As It Impacts Shuttle Vector Processing and Acquisition Data**

Summary

- **From an FDF Perspective, the Overview and Training Sessions Were Very Successful in Introducing the WSC Personnel to the NCCDS System**
- **Extensive Additional Training, Simulation, and Certification Will Be Required for These and Other WSC SSs and TAs, Along With Flight Following Experience, Before the Operational Handover of the Shuttle Vector Processing Responsibilities to WSC**
- **An FDF Analyst Will Be Present at WSC for the Support of the First Two or Three Shuttle Launches After the Operational Handover**

- **Schedule for Installation of NCCDS Hardware and Software at WSC Versus Shuttle Manifest**
 - **Intensive WSC Training Cannot Begin Until NCCDS Is Fully Installed and Functional at WSC**
 - **No Shuttle Flights Currently Scheduled Between July and November**
- **Reconfigurations Required at WSC and FDF, Including Data Lines Between GSFC and WSC**
 - **FDF Software Systems Will Need To Be Reconfigured to Transmit Acquisition Data to Both the NCC and WSC During Phaseover**
 - **Data and Voice Lines From the FDF to WSC Will Be Required**
- **WSC/FDF Training and Certification Plan**